



Mr Kent B Twiname  
14 Parramatta Street  
Belgian Gardens QLD 4810

kenttwiname@bigpond.com

6/7/20

Dear Kent ,

Please find attached copy of results for your records.

The wghite cell count should be repeated at the end of July and I'll email a form.No other action is required , apart from B vitamins for the elevated homocysteine.

Kindly contact my receptionist on 4721 2022 for an appointment if you wish to discuss any aspects of these results further with me.

Check our website [Click here](#) for practice news.

**Online appointments are now available on our website or from your mobile device.**

No reply is necessary for this email.

Yours sincerely,

Dr Raymond Mullen  
MBBS , FRACGP ,DipRACOG ,MACNEM ,Cert IM

**Diagnostic Results:** Mr Kent B Twiname

Result IDs: (220701 220590 220576 220574 220555 220522 220520)

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FULL BLOOD COUNT

Collection Date: 07:45 22/06/2020

CUMULATIVE FULL BLOOD EXAMINATION

|        |          |          |      |                          |             |
|--------|----------|----------|------|--------------------------|-------------|
| Date   | 13/12/18 | 02/03/20 |      | 22/06/20                 |             |
| Time   | 09:17    | 07:35    |      | 07:45                    |             |
| Lab No | 58062312 | 74685355 |      | 99534233                 |             |
| Hb     | 139      | 144      |      | 130 g/L                  | (130-180)   |
| RCC    | 4.5      | 4.9      |      | 4.1 x10 <sup>12</sup> /L | (4.0-6.0)   |
| Hct    | 0.41     | 0.43     |      | 0.37                     | (0.36-0.52) |
| MCV    | 91       | 89       |      | 90 fL                    | (80-98)     |
| MCH    | 31       | 30       |      | 32 pg                    | (27-35)     |
| Plats  | 210      | 206      |      | 181 x10 <sup>9</sup> /L  | (150-450)   |
| WCC    | 3.2      | 3.7      |      | 3.7 x10 <sup>9</sup> /L  | (4.0-11.0)  |
| Neuts  | 1.7      | 2.0      | 56 % | 2.1 x10 <sup>9</sup> /L  | (2.0-7.5)   |
| Lymphs | 1.1      | 1.2      | 33 % | 1.2 x10 <sup>9</sup> /L  | (1.1-4.0)   |
| Monos  | 0.4      | 0.4      | 10 % | 0.4 x10 <sup>9</sup> /L  | (0.2-1.0)   |
| Eos    | 0.00     | 0.00     | 0 %  | 0.00 x10 <sup>9</sup> /L | (0.04-0.40) |
| Basos  | 0.03     | 0.04     | 1 %  | 0.04 x10 <sup>9</sup> /L | (< 0.21)    |
| E.S.R. |          | 2        |      | pending mm/hr            | (1-20)      |

99534233 **Automated Comment:**

As per ISLH guidelines - Film not reviewed. If a film review is truly indicated, contact the laboratory within 24 hours of collection. Otherwise investigate any highlighted abnormalities as clinically appropriate.

Mild leucopenia may be transient as a result of certain infections (eg viral). Persistent leucopenia may be seen with hypersplenism, SLE, drug toxicity, and sometimes as an ethnic familial disorder. Correlate Clinically as well as with E+LFTs, Viral Serology, Lymphocyte Markers, and ANA if clinically appropriate. Otherwise, suggest repeat at a later date.

**\*\* FINAL REPORT - Please destroy previous report \*\***

Tests Completed:FBC

Tests Pending :SHBG, TOTAL TESTOSTERONE, E2, LH, FREE TESTOSTERONE, SE E/LFT

Tests Pending :SE HOMOCYSTEINE, ESR, DHEAS

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FERTILITY HORMONE

Collection Date: 07:45 22/06/2020

CUMULATIVE DEHYDROEPIANDROSTERONE-SULPHATE

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|        |          |          |          |          |
|--------|----------|----------|----------|----------|
| Date   | 19/03/12 | 23/04/16 | 13/12/18 | 22/06/20 |
| Time   | 09:35    | 08:46    | 09:17    | 07:45    |
| Lab No | 2534634  | 59461678 | 58062312 | 99534233 |

|          |      |      |                       |
|----------|------|------|-----------------------|
| DHEAS    | 11.4 | 5.2  | umol/L (0.8-7.3)      |
| DHEAS    | 4200 | 1900 | ng/mL (300-2700)      |
| LH       |      | 7    | IU/L (1-10)           |
| E2       |      | 90   | pmol/L (< 150)        |
| Testo.   | 16   | 16   | 10 nmol/L (10.0-33.0) |
| fTesto.  | 32   |      | pmol/L (40.0-100.0)   |
| fTesto.c |      | 241  | 124 pmol/L (150-700)  |
| SHBG     | 64   | 55   | 64 nmol/L (13-71)     |

Tests Completed:FBC, SE E/LFT, SE HOMOCYSTEINE, ESR, DHEAS  
 Tests Pending :SHBG, TOTAL TESTOSTERONE, E2, LH, FREE TESTOSTERONE

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#### HOMOCYSTEINE,SERUM

Collection Date: 07:45 22/06/2020

#### CUMULATIVE SERUM HOMOCYSTEINE

|        |          |          |
|--------|----------|----------|
| Date   | 02/03/20 | 22/06/20 |
| Time   | 07:35    | 07:45    |
| Lab No | 74685355 | 99534233 |

Homocysteine + 15.3 + 15.8 umol/L (0.0-15.0)

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\*\* Progress report.

#### Homocysteine Related Risk

|                       |              |
|-----------------------|--------------|
| Plasma level (umol/L) | Risk Average |
| Below 9.0             | No increase  |
| 9.0 - 14.9            | x 2          |
| 15.0 - 19.9           | x 3          |
| 20.0 or greater       | x 4.5        |

Risks approximated from New Eng J Med 1997 (337:230-236)

Tests Completed:FBC, SE E/LFT, SE HOMOCYSTEINE, ESR, DHEAS  
 Tests Pending :SHBG, TOTAL TESTOSTERONE, E2, LH, FREE TESTOSTERONE

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#### E/LFT ()

Collection Date: 07:45 22/06/2020

#### CUMULATIVE SERUM BIOCHEMISTRY

|         |          |          |                      |
|---------|----------|----------|----------------------|
| Date    | 13/12/18 | 02/03/20 | 22/06/20             |
| Time    | 09:17    | 07:35    | 07:45                |
| Lab No  | 58062312 | 74685355 | 99534233             |
|         | FASTING  | FASTING  | FASTING              |
| Sodium  | 140      | 145      | 143 mmol/L (137-147) |
| Potass. | 4.7      | 4.4      | 4.2 mmol/L (3.5-5.0) |

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|          |          |          |                         |
|----------|----------|----------|-------------------------|
| Chloride | 105      | 109      | 107 mmol/L (96-109)     |
| Bicarb   | 30       | 30       | 28 mmol/L (25-33)       |
| An.Gap   | 10       | 10       | 12 mmol/L (4-17)        |
| Gluc     | 4.3      | 5.1      | 4.7 mmol/L (3.0-6.0)    |
| Urea     | 6.1      | 6.5      | + 8.9 mmol/L (3.0-8.5)  |
| Creat    | 91       | 89       | 84 umol/L (60-140)      |
| eGFR     | 79       | 81       | 87 mL/min (over 59)     |
| Urate    | 0.34     | 0.39     | 0.35 mmol/L (0.12-0.45) |
| T.Bili   | 13       | 13       | 9 umol/L (2-20)         |
| Alk.P    | 46       | 55       | 50 U/L (30-115)         |
| GGT      | 11       | 12       | 12 U/L (0-70)           |
| ALT      | 20       | 14       | 41 U/L (0-45)           |
| AST      | 28       | 22       | 34 U/L (0-41)           |
| LD       | 172      | 191      | 158 U/L (80-250)        |
| Calcium  | 2.38     | 2.32     | 2.28 mmol/L (2.15-2.60) |
| C.Ca     | 2.34     | 2.33     | 2.32 mmol/L (2.15-2.60) |
| Phos     | 1.1      | 1.1      | 1.2 mmol/L (0.8-1.5)    |
| T.Prot   | 65       | 66       | 62 g/L (60-82)          |
| Alb      | 44       | 42       | 41 g/L (35-50)          |
| Glob     | 21       | 24       | 21 g/L (20-40)          |
| Chol     | 6.5      | 6.1      | 6.8 mmol/L (3.9-7.4)    |
| Trig     | 0.6      | 0.9      | 1.3 mmol/L (0.3-2.2)    |
| Lab No   | 58062312 | 74685355 | 99534233                |
| Date     | 13/12/18 | 02/03/20 | 22/06/20                |

Tests Completed: FBC, SE E/LFT

Tests Pending : SHBG, TOTAL TESTOSTERONE, E2, LH, FREE TESTOSTERONE, SE HOMOCYSTEINE

Tests Pending : ESR, DHEAS

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DHE-S

Collection Date: 07:45 22/06/2020

#### CUMULATIVE FERTILITY HORMONES

| Date     | 19/03/12 | 23/04/16 | 13/12/18 | 22/06/20 |                     |
|----------|----------|----------|----------|----------|---------------------|
| Time     | 09:35    | 08:46    | 09:17    | 07:45    |                     |
| Lab No   | 2534634  | 59461678 | 58062312 | 99534233 |                     |
| LH       |          |          | 7        | 3        | IU/L (1-10)         |
| E2       |          |          | 90       | <43      | pmol/L (< 150)      |
| Testo.   | 16       | 16       | 10       | 12       | nmol/L (10.0-33.0)  |
| fTesto.  | 32       |          |          |          | pmol/L (40.0-100.0) |
| fTesto.c |          | 241      | 124      | 142      | pmol/L (150-700)    |
| SHBG     | 64       | 55       | 64       | 67       | nmol/L (13-71)      |
| FAI      | 24       | 29       | 16       | 17       | (18-90)             |
| DHEAS    |          | 11.4     |          | 5.2      | umol/L (0.8-7.3)    |
| DHEAS    |          | 4200     |          | 1900     | ng/mL (300-2700)    |

Tests Completed:SHBG, TOTAL TESTOSTERONE, E2, LH, FREE TESTOSTERONE, FBC, SE E/LFT  
Tests Completed:SE HOMOCYSTEINE, ESR, DHEAS  
Tests Pending :

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ERYTHROCYTE SEDIMENT RATE

Collection Date: 07:45 22/06/2020

Erythrocyte Sedimentation Rate 2 mm/hr (1-20)

Tests Completed:FBC, SE E/LFT, ESR

Tests Pending :SHBG, TOTAL TESTOSTERONE, E2, LH, FREE TESTOSTERONE, SE HOMOCYSTEINE

Tests Pending :DHEAS

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FULL BLOOD COUNT

Collection Date: 07:45 22/06/2020

CUMULATIVE FULL BLOOD EXAMINATION

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| Lymphs | 1.1      | 1.2      | 33 % 1.2 x10 <sup>9</sup> /L (1.1-4.0)   |
| Monos  | 0.4      | 0.4      | 10 % 0.4 x10 <sup>9</sup> /L (0.2-1.0)   |
| Eos    | 0.00     | 0.00     | 0 % 0.00 x10 <sup>9</sup> /L (0.04-0.40) |
| Basos  | 0.03     | 0.04     | 1 % 0.04 x10 <sup>9</sup> /L (< 0.21)    |
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\*\* FINAL REPORT - Please destroy previous report \*\*

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Tests Pending :SHBG, TOTAL TESTOSTERONE, E2, LH, FREE TESTOSTERONE, SE E/LFT  
Tests Pending :SE HOMOCYSTEINE, ESR, DHEAS